

## House Communication Network

### Abstract

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A communication system for a house, a flat or an office in a house or for separated blocks of buildings, so as to connect at least three terminal units within said house, flat, office or separated blocks of buildings, is based on a central data bus for transmitting data to be transmitted between the terminal units, wherein the data bus has no specific deterministic access control and a limited transmission capacity. A first intelligent network terminating device is provided in the first terminal unit and includes interfaces for communication devices which may be located in the first terminal unit. A second intelligent network terminating device is located in the second terminal unit and includes interfaces for communication devices which can be located in the second terminal unit. Each intelligent network terminating device includes an interface which is responsible for quality of service control located between the data bus and the corresponding network terminating device and which is embodied such that an access of the corresponding network terminating device to the central data bus will be controlled. The communication network permits an integration of all of the communication and house services via the central data bus and is characterised by its flexibility, clear layout and its favourable price.

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